

PREFLIGHT

1. Aircraft Documents..... ON BOARD
2. Fire Extinguisher..... CHARGED & SECURE
3. Flight Control Lock..... REMOVE
4. Parking brake..... ON
5. Magnetos..... OFF
6. Avionics Master Switch & Electrics..... OFF
7. GEN/BAT Master Switch..... ON
8. Fuel Quantity..... CHECK
9. Flaps.....35° (FULL)
10. GEN/BAT Master Switch..... OFF

EXTERIOR INSPECTION

RIGHT FUSELAGE SIDE

1. Static port..... CHECK

TAIL

1. Stabilizers and Control Surfaces..... CHECK
2. Tie downs..... REMOVE
3. Anti-collision/Nav light..... CHECK

LEFT FUSELAGE SIDE

1. Static port..... CHECK
2. Antennas..... CHECK

LEFT WING

1. Wing Flap..... VISUAL CHECK
2. Fuel Tank Vents..... CHECK
3. Aileron..... VISUAL CHECK
4. Lights..... CHECK
5. Pitot Probe..... CLEAN, HOLES-OPEN
6. Stall Warning..... CHECK
7. Fuel Quantity..... VISUAL CHECK
8. Left Main Landing Gear..... VISUAL CHECK
9. Fuel drain..... DRAIN WATER

NOSE

1. Cowling..... VISUAL INSPECTION
2. Air Intakes..... CLEAR
3. Propeller Blades & SPINNER..... CHECK
4. Nose Gear..... CHECK
5. Oil..... CHECK LEVEL (6-4 QUARTS)
6. Fuel Filter Drain..... DRAIN WATER

RIGHT WING

1. Fuel Drain..... DRAIN WATER
2. Right Main Landing Gear..... VISUAL CHECK
3. Fuel Quantity..... VISUAL CHECK
4. Lights..... CHECK
5. Aileron..... VISUAL CHECK
6. Wing Flap..... VISUAL CHECK
7. Fuel Tank Vents..... CHECK

BEFORE STARTING ENGINE

1. Parking Brake..... ON
2. Seat position..... SET
3. Seatbelts..... FASTENED & ADJUSTED
4. Flight Controls..... FREE & CORRECT
5. Throttle..... IDLE
6. All Avionics & Electrics..... OFF
7. Circuit Breakers..... ALL IN
8. ALT/BAT Master Switch..... ON
9. Fuel Pump..... CHECK ON/OFF
13. Comm Radio..... ON
14. ATC Startup clearance..... RECEIVED
15. Comm Radio..... OFF
16. Altimeter..... SET QNH

ENGINE START

1. Anti - Collision Light..... ON
2. Mixture..... FULL RICH
3. Brakes..... HOLD
4. Fuel Pump..... ON
5. Throttle..... FAST IDLE
6. Propeller Area..... CLEAR
7. Starter..... ENGAGE (MAX 30 SEC)
8. Throttle..... 800 - 1000 RPM
9. Oil Pressure..... CHECK
10. Engine instruments..... CHECK

FLOODED/WARM ENGINE START

1. Mixture..... LEAN
2. Throttle..... OPEN
3. Fuel Pump..... ON
4. Propeller Area..... CLEAR
5. Starter..... ENGAGE

AFTER ENGINE ENGAGEMENT

6. Throttle..... ADJUST 1000 RPM
7. Mixture..... FULL RICH
8. Oil Pressure..... CHECK

AFTER STARTING ENGINE

1. Flaps..... CHECK/ RETRACT
2. Avionics & Electrics..... ON
3. Transponder..... STBY
4. Radios/NAV/GPS..... SET
5. Fuel Pump..... CHECK OFF/ON
7. Engine Instruments..... CHECK
8. Elevator Trim..... NEUTRAL

TAXI

1. Parking Brake/Taxi light..... OFF/ON
2. Brakes/Flight Instruments..... CHECK

RUN UP POSITION

1. Parking Brake/Taxi light..... ON/OFF
2. Mixture..... FULL RICH
3. Throttle..... 2000 RPM
4. Oil Temp..... GREEN (170° - 220°F)
5. Oil Pressure..... NORMAL (30-60 PSI)
6. Vacuum Gauge..... CHECK
7. Mixture Lean Function..... CHECK
8. Magnetos..... CHECK (DROP 125 DIFF±50)
9. Carburetor..... HOT/COLD (RPM DROP)
10. Throttle..... 1500 RPM
11. Alternator Load (Ammeter)..... CHECK
12. Throttle..... IDLE
13. Engine instruments..... GREEN
14. Flight Controls..... CHECK FREE
15. Doors/Windows..... CLOSED/LOCKED
16. Flaps..... 15° SET
17. Fuel Pump..... ON
18. Take-Off Briefing..... COMPLETED

CHECK LISTS MARKED WITH THE THICK VERTICAL LINE ON THE LEFT SHOULD BE MEMORIZED
 VERSION 1 - 17.08.2016
 BASED ON Beechcraft Musketeer A23-19 AFM

Manufactured by PUND®

LINE UP

1. Parking Brake/Taxi&Landing Lights..... OFF/ON
2. Strobe Lights..... ON
3. Gyro..... CHECK
4. Elevator Trim..... NEUTRAL
5. Transponder..... ALT
6. Mixture..... FULL RICH

TAKE-OFF

1. Take-off power..... SET
2. RPM..... MIN 2500
3. Engine Gauges..... CHECK
4. Rotation..... 65 KIAS
5. Climb speed..... 72 KIAS

CLIMB

1. Throttle..... FULL
2. Flaps..... UP
3. Landing/Taxi Light..... OFF

CRUISE

1. Cruise Power..... SET (2200 RPM)
2. Fuel Pump..... OFF
3. Altimeters..... SET
4. Mixture..... ADJUST

DESCENT

1. Mixture..... FULL RICH
2. Fuel Pump..... ON
3. Carburetor..... AS REQUIRED
4. Throttle..... AS REQUIRED

FINAL

1. Mixture..... FULL RICH
2. Flaps..... 35° (LDG)
3. Carburetor..... HOT
4. Fuel Pump..... ON
5. Landing/Taxi Light..... ON
6. Approach Speed..... 65 KIAS

GO AROUND

1. Throttle..... FULL POWER
2. Carburetor..... COLD
3. Airspeed..... 58 KIAS
4. Flaps..... UP

RUNWAY VACATED

1. Landing & Strobe Lights..... OFF
2. Flaps..... 0° (UP)
3. Transponder..... STBY
4. Elevator Trim..... NEUTRAL

SHUT DOWN POSITION

1. Parking Brake/Taxi light..... ON/OFF
2. Avionics/Electrics/Lights..... OFF
3. Throttle..... IDLE
4. Fuel Pump..... OFF
5. Engine..... COOLING
6. Mixture..... CUT OFF
7. Anti collision light..... OFF
8. Magnetos..... OFF
9. ALT/BAT Master Switch..... OFF
10. Tie Downs..... AS REQUIRED

ENGINE FAILURE DURING TAKE-OFF RUN

1. Throttle.....IDLE
2. Brakes.....AS REQUIRED
3. Flaps.....0° (UP)
4. Fuel Shut-off Valve.....CLOSED
5. Mixture.....CUT OFF
6. Magnetos.....OFF
7. ALT/BAT Master Switch.....OFF

ENGINE FAILURE AFTER TAKE-OFF**INSUFFICIENT ENGINE POWER**

1. Airspeed.....65 KIAS
2. Throttle.....FULL
3. Mixture.....FULL RICH
4. Fuel Shut-off Valve.....OPEN
5. Magnetos.....BOTH
6. Fuel Pump.....ON

SHORTLY BEFORE LANDING

1. Mixture.....CUT OFF
2. Fuel Shut-off Valve.....CLOSED
3. Magnetos.....OFF
4. Flaps.....AS REQUIRED
5. ALT/BAT Master Switch.....OFF

ENGINE FAILURE DURING FLIGHT**ENGINE RUNNING ROUGHLY**

1. Mixture.....FULL RICH
2. Magnetos.....L-BOTH-R-BOTH
3. Carburetor.....HOT/COLD
4. Fuel Shut-off Valve.....OPEN
5. Fuel Pump.....ON
6. Throttle.....PRESENT POSITION
7. No improvment. RED. THROTTLE LAND ASAP

RESTARTING THE ENGINE WITH PROPELLER WINDMILLING

1. Airspeed.....78 KIAS
2. Magnetos.....BOTH
3. Fuel Shut-off Valve.....OPEN
4. Throttle.....FULL OPEN
5. Mixture.....FULL RICH
6. Fuel Pump.....ON

AFTER SUCCESSFUL RE-START

1. Oil Pressure.....CHECK
2. Oil Temp.....CHECK
3. Fuel Pump.....OFF
4. Electrically Equipment.....ON IF REQUIRED

RESTARTING THE ENGINE WITH PROPELLER AT FULL STOP

1. Airspeed.....78 KIAS
2. Electrically Equipment.....OFF
3. ALT/BAT Master Switch.....ON
4. Mixture.....FULL RICH
5. Fuel Shut-off Valve.....OPEN
6. Fuel Pump.....ON
7. Throttle.....FULL FORWARD
8. Magnetos.....START

AFTER SUCCESSFUL RESTART

1. Oil Pressure.....CHECK
2. Oil Temp.....CHECK
3. Fuel Pump.....OFF
4. Electrically Equipment.....ON IF REQUIRED

GLIDING

1. Flaps.....0° (UP)
2. Airspeed.....78 KIAS
3. Glide ratio.....10:1

EMERGENCY LANDING**INSUFFICIENT ENGINE POWER**

1. Airspeed (Flaps UP).....78 KIAS
2. Airspeed (Flaps Extended).....65 KIAS
4. Fuel Shut-off Valve.....CLOSED
5. Mixture.....IDLE CUT-OFF
6. Magnetos.....OFF
7. Safety Belts.....SECURED
8. Radio.....TRANSMIT
9. Flaps.....AS REQUIRED
10. ALT/BAT Master Switch.....OFF

ENGINE FIRE DURING ENGINE-START-UP ON THE GROUND

1. Fuel Shut-off Valve.....CLOSED
2. Cabin Vent/Heat.....CLOSED
3. Mixture.....IDLE CUT-OFF
4. GEN/BAT Master Switch.....OFF
5. Magnetos.....OFF
6. Evacuation.....IMMEDIATELY

ENGINE FIRE DURING FLIGHT

1. Fuel Shut-off Valve.....CLOSED
2. Mixture.....CUT OFF
3. Throttle.....IDLE
4. Cabin Vent/Heat.....CLOSED
5. Airspeed.....78 KIAS
6. Fuel Pump.....OFF
7. Emergency Landing.....PERFORM

ELECTRICAL FIRE INCLUDING SMOKE DURING FLIGHT

1. ALT/BAT Master Switch.....OFF
2. Cabin Air.....OPEN
3. Fire Extinguisher.....USE IF SMOKE CONTIN
4. Electrical Equipment.....OFF
5. Circuit Breakers.....PULL ALL
6. Circuit Breaker.....PUSH BATTERY
7. ALT/BAT Master Switch.....ON BAT ½ ONLY
9. Circuit Breaker.....PUSH ALT
11. ALT/BAT Master Switch.....ON
15. Circuit Breaker.....PUSH REQUIRED SYS
16. Radio.....ON

LAND AS SOON AS POSSIBLE**ELECTRICAL FIRE INCLUDING SMOKE ON THE GROUND**

1. ALT/BAT Master Switch.....OFF
- IF ENGINE RUNNING**
1. Throttle.....IDLE
 2. Mixture.....CUT OFF
 3. Fuel Shut-off Valve.....CLOSED
 4. Magnetos.....OFF
 5. Door.....OPEN
 6. Fire Extinguisher.....USE IF REQUIRED

CABIN FIRE DURING FLIGHT

1. ALT/BAT Master Switch.....OFF
 2. Cabin Air.....OPEN
 3. Cabin Heat.....CLOSED
 4. Fire Extinguisher.....USE IF REQUIRED
- LAND AS SOON AS POSSIBLE**

ELECTRICAL POWER FAILURE

1. Circuit Breaker.....RESET
 2. ALT/BAT Master Switch.....ON
- IF POWER NOT RESTORED**
3. ALT/BAT Master Switch.....OFF
- LAND AT NEAREST SUITABLE AIRPORT**

ALTERNATOR FAILURE**GENERATOR LIGHT ILLUMINATED**

1. ALT Master Switch.....OFF/ON
 2. Circuit Breaker.....ALT RESET
- IF UNSUCCESSFUL**
3. Electrical load.....REDUCE
- LAND AT NEAREST SUITABLE AIRPORT**

AIRSPPEED FOR SAFE OPERATION

- Best Rate-of-Climb Speed (V_Y).....72 KIAS
- Best Angle-of-Climb Speed (V_X).....65 KIAS
- Cruise Climb Speed.....89 KIAS
- Max Flaps Extended Sp (V_{FE}).....97 KIAS
- Normal Operating Speed (V_{NO}).....134 KIAS
- Landing Final App Speed.....55 KIAS
- Best Glide Angle Speed.....78 KIAS
- Maneuvering Speed (V_A).....115 KIAS
- Max Demo Crosswind.....13 KIAS

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